

10/523418

DT05 Rec'd PCT/PTO 01 FEB 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

(#3)

Applicants: Hiroo HONGO

Examiner: Unassigned

Serial No: Unassigned

Art Unit: Unassigned

Filed: Herewith

Docket: 18617

For: CATALYST SUPPORT SUBSTRATE,
METHOD FOR GROWING CARBONE NANOTUBES
USING THE SAME, AND TRANSISTOR USING
CARBON NANOTUBES

Dated: February 1, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. Jing Kong, et al., Nature, Vol. 395, Page 878 (1998), "Synthesis of Individual Single-Walled Carbon Nanotubes on Patterned Silicon Wafers";
2. Jason H. Hafner, et al., Chemical Physics Letter, Vol. 296, Page 195 (1998), "Catalytic Growth of Single-Wall Carbon Nanotubes from Metal Particles";

CERTIFICATE OF MAILING BY EXPRESS MAIL

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EV 492665288US

Date of Deposit:

February 1, 2005

I hereby certify that this correspondence is being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: February 1, 2005


Paul J. Esatto, Jr.

3. Japanese Laid-Open Patent Application No. JP 2001-20072A, dated January 23, 2001;
4. Japanese Laid-Open Patent Application No. JP 2002-115070A, dated April 19, 2002;
5. Japanese Laid-Open Patent Application No. JP 2002-115071A, dated April 19, 2002;
6. H. Hongo, et al., Chemical Physics Letters (2002), "Chemical Vapor Deposition of Single-Wall Carbon Nanotubes on Iron-film-coated Sapphire Substrates";
7. S.J. Wind, et al., Applied Physics Letters, Vol. 80, No. 20, (20 May 2002), "Vertical Scaling of Carbon Nanotube Field-Effect Transistors Using Top Gate Electrodes";
8. Japanese Laid-Open Patent Application No. JP 2002-105765A, dated April 10, 2002;
9. Japanese Laid-Open Patent Application No. JP 2002-180252A, dated June 26, 2002;
10. Japanese Laid-Open Patent Application No. JP 2002-146534A, dated May 22, 2002;
11. Japanese Laid-Open Patent Application No. JP-2001-176431A, dated June 29, 2001;
12. Japanese Laid-Open Patent Application No. JP 2001-48512A, dated February 20, 2001;
13. Seizo Kinoshita, et al., , IEICE, Vol. 101, No. 618, pp. 47-52 (2002), "Room Temperature Coulomb Blockade Characteristics of Position Controlled Grown Carbon Nanotube";
14. Japanese Laid-Open Patent Application No. JP 11-11917, dated January 19, 1999;
15. European Patent Publication No. EP 1 129 990 A1, dated September 5, 2001;
16. Japanese Laid-Open Patent Publication No. 8-100328, dated April 16, 1996; and

17. European Patent Publication No. EP 1 061 043 A1, dated December 20, 2000.

Applicant is submitting copies of the above-cited references. The relevance of Reference Nos. 1-6 and 8-12 has been described in the specification. Reference Nos. 7, 13-17 were cited in the International Search Report.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



Paul J. Esatto, Jr.
Registration No.: 30,749

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400 Garden City Plaza
Garden City, New York 11530
(516) 742-4343

EWG/PJE:ahs

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

18617

APPLICATION NO.

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APPLICANT(S)

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GROUP ART UNIT

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP 2001-20072A	1/23/2001	Japan				
	JP-2002-115070A	4/19/2002	Japan				
	JP-2002-115071A	4/19/2002	Japan				
	JP 2002-105765A	4/10/2002	Japan				
	JP 2002-180252A	6/26/02	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Jing Kong, et al., Nature, Vol. 395, Page 878 (1998), "Synthesis of Individual Single-Walled Carbon Nanotubes on Patterned Silicon Wafers"
	Jason H. Hafner, et al., Chemical Physics Letter, Vol. 296, Page 195 (1998), "Catalytic Growth of Single-Wall Carbon Nanotubes from Metal Particles"
	H. Hongo, et al., Chemical Physics Letters (2002), "Chemical Vapor Deposition of Single-Wall Carbon Nanotubes on Iron-film-coated Sapphire Substrates"
	S.J. Wind, et al., Applied Physics Letters, Vol. 80, No. 20, (20 May 2002), "Vertical Scaling of Carbon Nanotube Field-Effect Transistors Using Top Gate Electrodes"

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	JP 2002-146534A	5/22/2002	Japan				
	JP 2001-176431A	6/29/2001	Japan				
	JP 2001-48512A	2/20/2001	Japan				
	JP 11-11917	1/19/1999	Japan				
	EP 1 129 990 A1	9/5/2001	EPO				

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			Seizo Kinoshita, et al., , IEICE, Vol. 101, No. 618, pp. 47-52 (2002), "Room Temperature Coulomb Brockade Characteristics of Position Controlled Grown Carbon Nanotube"

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						YES	NO
	8-100328	4/16/1996	Japan				
	EP 1 061 043 A1	12/20/2000	EPO				

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